

60,246-217; 10,688US

REMARKS

Applicant would like to thank the Examiner for the detailed remarks and withdrawal of the previous rejections. Claims 2-4, 9-11, 14, 15, 19, 20, and 23-29 are cancelled. Claim 1 has been amended, and the dependencies of claims 5-7, 12, 13, and 16 have been amended. Accordingly, claims 1, 5-8, 12, 13, 16-18, 21, 22 30, and 31 are pending in the application.

Claim 1 has been amended to include subject matter previously set forth in claims 9 and 11 reciting a light source located outside of the enclosure defined by the porous screen, where the porous screen is between the light source and the substrate. Additionally, claim 1 recites that the light source is located completely outside of the enclosure. The rejections are addressed below in view of the noted amendments.

Claims 1, 4, 5, 9-12, 16-18, 21, 22, 30, and 31 were rejected under 35 U.S.C. §103(a) as being unpatentable over Kataoka in view of Greene and/or Homma. Although claims 9 and 11 were rejected, the rejection does not appear to specifically mention claim 9. The Examiner points to Figure 1 of the Katoaka reference as disclosing the arrangement of Claim 11.

Respectfully, the claimed arrangement having a porous screen and a light source located completely outside of the enclosure with the porous screen between the light source and the substrate is not obvious in view of the cited references. The claimed combination is not within the scope/content of the cited references and yields capabilities that would not have been predicted by the simple substitution of the screen for the aluminum waveguide plates. For instance, in the Katoaka reference, the light source is located within the enclosure of the aluminum waveguide plates. The metallic ends of the light source are located outside of the waveguide (see col.1, first full paragraph, p.325). Greene appears to teach using a screen for containing microwaves. Taken together, Katoaka and Greene do not suggest using a screen to contain microwaves and permit light from a light source to pass through the screen and impinge on a substrate as in the claimed arrangement. Furthermore, the claimed arrangement also avoids the light source interfering with the microwaves (see specification paragraph 37). Therefore, the technique of using of the screen as in the claimed arrangement is not known or suggested by the cited references. For at least this reason, Applicant respectfully requests that the rejection of claim 1 and its dependent claims be allowed.

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Claim 13 was rejected under 35 U.S.C. §103(a) as being unpatentable over Kataoka in view of Greene and/or Homma, and further in view of Obee. Claim 13 depends from claim 1 and should be allowable for the reasons discussed above.


Claims 6-8 were rejected under 35 U.S.C. §103(a) as being unpatentable over Kataoka in view of Greene and/or Homma, and further in view of Kobayashi. Claims 6-8 depend from claim 1 and should be allowable for the reasons discussed above.

Claims 24, 26, and 27 were rejected under 35 U.S.C. §103(a) as being unpatentable over Kataoka in view of Greene and/or Homma, and further in view of Kobayashi. Claims 24, 26, and 27 have been cancelled.

Claims 1, 4-9, 12, 17, 24, 26, and 27 were rejected on the grounds of nonstatutory obviousness-type double patenting over commonly owned U.S. Patent No. 7,291,315. A Terminal Disclaimer in compliance with 35 CFR 1.321(c) is filed herewith. Accordingly, Applicant respectfully requests that the rejection be withdrawn.

Applicant believes that no additional fees are necessary, however, the Commissioner is authorized to charge Deposit Account No. 03-0835 in the name of Carrier Corporation for any additional fees or credit the account for any overpayment.


Respectfully submitted,


Matthew L. Koziarz, Reg. No. 53,154
Carlson, Gaskey & Olds
400 W. Maple Road, Ste. 350
Birmingham, MI 48009
(248) 988-8360

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CERTIFICATE OF TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, fax number (571) 273-8300, on March 14, 2008.


Laura Combs